

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	33	(BODO.in. or "ODENDALL.in") and (exhaust near3 gas) and (engine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:00
S2	21	(BODO.in. or "ODENDALL.in") and (exhaust near3 gas) and (engine) and (cataly\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 14:59
S3	13	(BODO.in. or "ODENDALL.in") and (exhaust near3 gas) and (engine) and (cataly\$4) and (switch\$4 or alternat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:01
S4	15157	(exhaust near3 gas) and (engine) and (cataly\$4) and (switch\$4 or alternat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:01
S5	1539	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich or lean))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:02
S6	5	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich or lean)) and ((switch\$4 or alternat\$4) near4 (homogenous and lean))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:05
S7	46	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich or lean)) and ((switch\$4 or alternat\$4) near4 (homogenous))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:13
S8	0	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ((switch\$4 or alternat\$4) near4 (homogenous)) and ((operating) near4 (homogenous and rich and lean))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:09

## EAST Search History

S9	2	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ((switch\$4 or alternat\$4) near4 (homogenous)) and ((operating) same (homogenous and rich and lean))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:07
S10	299	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich or lean)) and ((switch\$4 or alternat\$4) near4 (stoichiometric))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:09
S11	0	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ((switch\$4 or alternat\$4) near4 (homogenous)) and ((operating) near4 (stoichiometric and rich and lean))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:09
S12	8	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ( (homogenous)) and ((operating) near4 (stoichiometric and rich and lean))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:11
S13	5	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean and stoichiometric)) and ( (homogenous)) and ((operating) near4 (stoichiometric and rich and lean))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:11
S14	51	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich or lean)) and ((switch\$4 or alternat\$4) near4 (stoichiometric)) and (homogenous)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:14
S15	299	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich or lean)) and ((switch\$4 or alternat\$4) near4 (stoichiometric))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:17
S16	147	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ((switch\$4 or alternat\$4) near4 (stoichiometric))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:22

## EAST Search History

S17	147	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ((switch\$4 or alternat\$4) near4 (stoichiometric and lean))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:17
S18	59	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ((switch\$4 or alternat\$4) near4 (stoichiometric and lean)) and ((operating) near4 (rich and lean))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 11:29
S19	41	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ((switch\$4 or alternat\$4) near4 (stoichiometric and lean)) and ((operating) near4 (rich and lean)) and ((operating) near4 (stoichiometric and lean))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:18
S20	92	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ((switch\$4 or alternat\$4) near4 (stoichiometric and lean)) and (reduc\$4 near4 fuel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 11:28
S21	195	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich or lean)) and ((switch\$4 or alternat\$4) near4 (stoichiometric)) and (reduc\$4 near4 fuel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:17
S22	35	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ((switch\$4 or alternat\$4) near4 (stoichiometric and lean)) and ((operating) near4 (rich and lean)) and ((operating) near4 (stoichiometric and lean)) and (reduc\$4 near4 fuel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 11:31
S23	48	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ((switch\$4 or alternat\$4) near4 (stoichiometric and lean)) and ((operating) near4 (rich and lean)) and (reduc\$4 near4 fuel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 11:29

## EAST Search History

S24	570	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ((switch\$4 or alternat\$4) and (stoichiometric))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:23
S25	16	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ((switch\$4 or alternat\$4) and (stoichiometric)) and (homogenous)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:23
S26	7	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ((switch\$4 or alternat\$4) same (stoichiometric)) and (homogenous)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:24
S27	61	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) same(rich and lean)) and ((switch\$4 or alternat\$4) same (stoichiometric)) and (homogenous)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 09:49
S28	943	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) same(rich and lean)) and (60/272-324.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 09:49
S29	433	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and (60/272-324.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 09:49
S30	295	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near2 (rich and lean)) and (60/272-324.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 11:29
S31	60	(exhaust near3 gas) and (engine) and (cataly\$4) and ((alternat\$4) near2 (rich and lean)) and (60/272-324.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 09:51

## EAST Search History

S32	51	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near2 (rich and lean and stoichiometric)) and (60/272-324.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 09:58
S33	145	(exhaust near3 gas) and (engine) and (cataly\$4) and ((alternat\$4) near4 (rich and lean)) and (60/272-324.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 09:52
S34	97	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean and stoichiometric)) and (60/272-324.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 11:29
S35	9	("5414996"   "6138453"   "6253541"   "6256983"   "6336320"   "6539707"   "6622478"   "6751947"   "6751950").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 09:54
S36	0	("6915628").URPN.	USPAT	OR	ON	2006/04/20 09:54
S37	11	("5289678"   "5713199"   "5847271"   "5970707"   "6216449"   "6289673"   "6308515"   "6357224"   "6383267"   "6418711"   "6499294").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 09:55
S39	60	("4184461"   "4376427"   "4526001"   "4535736"   "5040506"   "5048492"   "5048493"   "5078107"   "5090388"   "5190008"   "5209207"   "5224462"   "5245978"   "5289678"   "5357791"   "5402641"   "5433074"   "5437153"   "5450722"   "5471836"   "5473887"   "5497745"   "5544634"   "5606951"   "5613481"   "5655507"   "5660157"   "5676118"   "5699778"   "5713199"   "5735255"   "5743084"   "5765541"   "5771685"   "5778666"   "5778667"   "5847271"   "5848529"   "5894725"   "5947079"   "5970707"   "5970950"   "5975045"   "6058906"   "6092507"   "6145489"   "6216449"   "6230487"   "6240895"   "6289673"   "6308515"   "6308697"   "6324834"   "6340014"   "6357224"   "6383267"   "6418711"   "6427437"   "6499294"   "6510834").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 09:59

## EAST Search History

S40	38	("2002/0029562"   "6148612"   "6502388"   "6609364"   "6708668"   "6778898"   "6826902").URPN.	USPAT	OR	ON	2006/04/20 09:59
S41	96	("4184461"   "4376427"   "4526001"   "4535736"   "5040506"   "5048492"   "5048493"   "5078107"   "5090388"   "5190008"   "5209207"   "5224462"   "5245978"   "5289678"   "5357791"   "5402641"   "5433074"   "5437153"   "5450722"   "5471836"   "5473887"   "5497745"   "5544634"   "5606951"   "5613481"   "5655507"   "5660157"   "5676118"   "5699778"   "5713199"   "5735255"   "5743084"   "5765541"   "5771685"   "5778666"   "5778667"   "5847271"   "5848529"   "5894725"   "5947079"   "5970707"   "5970950"   "5975045"   "6058906"   "6092507"   "6145489"   "6216449"   "6230487"   "6240895"   "6289673"   "6308515"   "6308697"   "6324834"   "6340014"   "6357224"   "6383267"   "6418711"   "6427437"   "6499294"   "6510834").PN. OR ("2002/0029562"   "6148612"   "6502388"   "6609364"   "6708668"   "6778898"   "6826902").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 10:13

## EAST Search History

S42	96	("4184461"   "4376427"   "4526001"   "4535736"   "5040506"   "5048492"   "5048493"   "5078107"   "5090388"   "5190008"   "5209207"   "5224462"   "5245978"   "5289678"   "5357791"   "5402641"   "5433074"   "5437153"   "5450722"   "5471836"   "5473887"   "5497745"   "5544634"   "5606951"   "5613481"   "5655507"   "5660157"   "5676118"   "5699778"   "5713199"   "5735255"   "5743084"   "5765541"   "5771685"   "5778666"   "5778667"   "5847271"   "5848529"   "5894725"   "5947079"   "5970707"   "5970950"   "5975045"   "6058906"   "6092507"   "6145489"   "6216449"   "6230487"   "6240895"   "6289673"   "6308515"   "6308697"   "6324834"   "6340014"   "6357224"   "6383267"   "6418711"   "6427437"   "6499294"   "6510834").PN. OR ("2002/0029562"   "6148612"   "6502388"   "6609364"   "6708668"   "6778898"   "6826902").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/27 11:33
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## EAST Search History

S43	62	("4184461"   "4376427"   "4526001"   "4535736"   "5040506"   "5048492"   "5048493"   "5078107"   "5090388"   "5190008"   "5209207"   "5224462"   "5245978"   "5289678"   "5357791"   "5402641"   "5433074"   "5437153"   "5450722"   "5471836"   "5473887"   "5497745"   "5544634"   "5606951"   "5613481"   "5655507"   "5660157"   "5676118"   "5699778"   "5713199"   "5735255"   "5743084"   "5765541"   "5771685"   "5778666"   "5778667"   "5847271"   "5848529"   "5894725"   "5947079"   "5970707"   "5970950"   "5975045"   "6058906"   "6092507"   "6145489"   "6216449"   "6230487"   "6240895"   "6289673"   "6308515"   "6308697"   "6324834"   "6340014"   "6357224"   "6383267"   "6418711"   "6427437"   "6499294"   "6510834").PN. OR ("2002/0029562"   "6148612"   "6502388"   "6609364"   "6708668"   "6778898"   "6826902").URPN. and ((switch\$4 or alternat\$4) near2 (rich and lean and stoichiometric))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 10:13
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## EAST Search History

S44	62	("4184461"   "4376427"   "4526001"   "4535736"   "5040506"   "5048492"   "5048493"   "5078107"   "5090388"   "5190008"   "5209207"   "5224462"   "5245978"   "5289678"   "5357791"   "5402641"   "5433074"   "5437153"   "5450722"   "5471836"   "5473887"   "5497745"   "5544634"   "5606951"   "5613481"   "5655507"   "5660157"   "5676118"   "5699778"   "5713199"   "5735255"   "5743084"   "5765541"   "5771685"   "5778666"   "5778667"   "5847271"   "5848529"   "5894725"   "5947079"   "5970707"   "5970950"   "5975045"   "6058906"   "6092507"   "6145489"   "6216449"   "6230487"   "6240895"   "6289673"   "6308515"   "6308697"   "6324834"   "6340014"   "6357224"   "6383267"   "6418711"   "6427437"   "6499294"   "6510834").PN. OR ("2002/0029562"   "6148612"   "6502388"   "6609364"   "6708668"   "6778898"   "6826902").URPN. and ((switch\$4 or alternat\$4) near4 (rich and lean and stoichiometric))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 10:01
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## EAST Search History

S45	60	("4184461"   "4376427"   "4526001"   "4535736"   "5040506"   "5048492"   "5048493"   "5078107"   "5090388"   "5190008"   "5209207"   "5224462"   "5245978"   "5289678"   "5357791"   "5402641"   "5433074"   "5437153"   "5450722"   "5471836"   "5473887"   "5497745"   "5544634"   "5606951"   "5613481"   "5655507"   "5660157"   "5676118"   "5699778"   "5713199"   "5735255"   "5743084"   "5765541"   "5771685"   "5778666"   "5778667"   "5847271"   "5848529"   "5894725"   "5947079"   "5970707"   "5970950"   "5975045"   "6058906"   "6092507"   "6145489"   "6216449"   "6230487"   "6240895"   "6289673"   "6308515"   "6308697"   "6324834"   "6340014"   "6357224"   "6383267"   "6418711"   "6427437"   "6499294"   "6510834").PN. OR ("2002/0029562"   "6148612"   "6502388"   "6609364"   "6708668"   "6778898"   "6826902").URPN. and ((alternat\$4) near4 (rich and lean and stoichiometric))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 10:01
S46	19	(exhaust near3 gas) and (engine) and (cataly\$4) and ((alternat\$4) near4 (rich and lean and stoichiometric)) and (60/272-324. ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 10:06
S47	6	("5279116"   "5301501"   "5363646"   "5412941"   "5640847"   "5758491").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 10:07
S48	8	("5983629").URPN.	USPAT	OR	ON	2006/04/20 10:07
S49	9	((exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich near4 lean near4 stoichiometric))).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 10:11
S50	15	((exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean and stoichiometric))).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 10:12

## EAST Search History

S51	92	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ((switch\$4 or alternat\$4) near4 (stoichiometric and lean)) and (reduc\$4 near4 fuel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 11:28
S52	48	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ((switch\$4 or alternat\$4) near4 (stoichiometric and lean)) and ((operating) near4 (rich and lean)) and (reduc\$4 near4 fuel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 12:00
S53	295	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near2 (rich and lean)) and (60/272-324.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 12:00
S54	97	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean and stoichiometric)) and (60/272-324.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 11:31
S55	59	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ((switch\$4 or alternat\$4) near4 (stoichiometric and lean)) and ((operating) near4 (rich and lean))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 11:31
S56	59	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ((switch\$4 or alternat\$4) near4 (stoichiometric and lean)) and ((operating) near4 (rich and lean))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 11:50
S57	35	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ((switch\$4 or alternat\$4) near4 (stoichiometric and lean)) and ((operating) near4 (rich and lean)) and ((operating) near4 (stoichiometric and lean)) and (reduc\$4 near4 fuel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 11:31

## EAST Search History

S58	41	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ((switch\$4 or alternat\$4) near4 (stoichiometric and lean)) and ((operating) near4 (rich and lean)) and ((operating) near4 (stoichiometric and lean))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 11:32
S59	56	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ((switch\$4 or alternat\$4) near4 (stoichiometric and lean)) and ((operating) near4 (rich and lean)) and ((operating) same (stoichiometric and lean))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 11:32
S60	8	(("4184461"   "4376427"   "4526001"   "4535736"   "5040506"   "5048492"   "5048493"   "5078107"   "5090388"   "5190008"   "5209207"   "5224462"   "5245978"   "5289678"   "5357791"   "5402641"   "5433074"   "5437153"   "5450722"   "5471836"   "5473887"   "5497745"   "5544634"   "5606951"   "5613481"   "5655507"   "5660157"   "5676118"   "5699778"   "5713199"   "5735255"   "5743084"   "5765541"   "5771685"   "5778666"   "5778667"   "5847271"   "5848529"   "5894725"   "5947079"   "5970707"   "5970950"   "5975045"   "6058906"   "6092507"   "6145489"   "6216449"   "6230487"   "6240895"   "6289673"   "6308515"   "6308697"   "6324834"   "6340014"   "6357224"   "6383267"   "6418711"   "6427437"   "6499294"   "6510834").PN. OR ("2002/0029562"   "6148612"   "6502388"   "6609364"   "6708668"   "6778898"   "6826902").URPN.) and ((switch\$4 or alternat\$4) near4 (rich and lean)) and ((switch\$4 or alternat\$4) near4 (stoichiometric and lean))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/27 11:34

## EAST Search History

S61	25	(("4184461"   "4376427"   "4526001"   "4535736"   "5040506"   "5048492"   "5048493"   "5078107"   "5090388"   "5190008"   "5209207"   "5224462"   "5245978"   "5289678"   "5357791"   "5402641"   "5433074"   "5437153"   "5450722"   "5471836"   "5473887"   "5497745"   "5544634"   "5606951"   "5613481"   "5655507"   "5660157"   "5676118"   "5699778"   "5713199"   "5735255"   "5743084"   "5765541"   "5771685"   "5778666"   "5778667"   "5847271"   "5848529"   "5894725"   "5947079"   "5970707"   "5970950"   "5975045"   "6058906"   "6092507"   "6145489"   "6216449"   "6230487"   "6240895"   "6289673"   "6308515"   "6308697"   "6324834"   "6340014"   "6357224"   "6383267"   "6418711"   "6427437"   "6499294"   "6510834").PN. OR ("2002/0029562"   "6148612"   "6502388"   "6609364"   "6708668"   "6778898"   "6826902").URPN.) and ((switch\$4 or alternat\$4) with (rich and lean)) and ((switch\$4 or alternat\$4) with (stoichiometric and lean))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/27 12:30
S62	45	(exhaust near3 gas) and (engine) and (cataly\$4) and ((switch\$4 or alternat\$4) near4 (rich near4 lean near4 stoichiometric)) and (60/272-324.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/27 15:38